## WE CLAIM:

1. A compound selected from the group represented by Formula I:

$$R^2$$
 $R^3$ 
 $R^4$ 
 $R^5$ 
 $R^6$ 
 $R^6$ 
 $R^6$ 

Formula I

where:

U-V is -N(R<sup>6</sup>)—CR<sup>e</sup>R<sup>f</sup>-, -CR<sup>e</sup>R<sup>f</sup>-N(R<sup>6</sup>)-, -N(R<sup>6</sup>)—CR<sup>e</sup>R<sup>f</sup>-CR<sup>g</sup>R<sup>h</sup>-, -CR<sup>e</sup>R<sup>f</sup>-N(R<sup>6</sup>)-CR<sup>g</sup>R<sup>h</sup>- or -CR<sup>e</sup>R<sup>f</sup>-CR<sup>g</sup>R<sup>h</sup>-N(R<sup>6</sup>)-;

R<sup>a</sup>, R<sup>b</sup>, R<sup>c</sup>, R<sup>d</sup>, R<sup>e</sup>, R<sup>f</sup>, R<sup>g</sup> and R<sup>h</sup> are independently hydrogen, alkyl, aryl, aralkyl, heteroaryl, substituted alkyl, substituted aryl, substituted aralkyl or substituted heteroaryl;

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, and R<sup>4</sup> are independently hydrogen, alkyl, alkoxy, halogen, cyano or substituted alkyl;

R<sup>5</sup> is alkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, substituted alkyl, substituted aryl, substituted aralkyl, substituted heteroaryl or substituted heteroaralkyl; and

R<sup>6</sup> is hydrogen, acyl, alkyl, aryl, aralkyl, heteroaryl, substituted acyl, substituted alkyl, substituted aryl, substituted aralkyl or substituted heteroaryl;

or a pharmaceutically acceptable salt or solvate thereof.

2. The compound of Claim 1 comprising one or more of the following:

R¹, R², R³ and R⁴ are independently hydrogen, chloro, fluoro, methyl, methoxy, cyano or substituted lower alkyl;

R<sup>5</sup> is aralkyl or substituted aralkyl;

R<sup>a</sup> to R<sup>h</sup> are independently hydrogen, lower alkyl or substituted lower alkyl;

U-V is -N(R<sup>6</sup>)-CR<sup>6</sup>R<sup>f</sup>-CR<sup>6</sup>R<sup>h</sup>-, -CR<sup>6</sup>R<sup>f</sup>-N(R<sup>6</sup>)-CR<sup>6</sup>R<sup>h</sup>- or -CR<sup>6</sup>R<sup>f</sup>-CR<sup>6</sup>R<sup>h</sup>-N(R<sup>6</sup>)-;

R<sup>6</sup> is optionally substituted aralkyl or optionally substituted acyl; and is an (R)-enantiomer.



3. The compound of Claim 2 comprising one or more of the following:

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are independently hydrogen, chloro, fluoro, methyl, methoxy or cyano;

R<sup>5</sup> is benzyl or substituted benzyl;

no more than one of Ra to Rh is other than hydrogen;

U-V is -N(R6)-CR6R1-CR9R1- or -CR6R1-N(R6)-CR9R1-; and

R<sup>6</sup> is optionally substituted acyl.

4. The compound of Claim 3 comprising one or more of the following:

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are hydrogen, or three of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are hydrogen and the fourth is halo, methoxy, methyl or cyano;

R<sup>5</sup> is benzyl;

Ra to Rh are hydrogen;

U-V is -N(R6)-CR9Rf-CR9Rh-; and

R<sup>6</sup> is p-methyl-benzoyl.

5. The compound of Claim 4 where: R<sup>1</sup>, R<sup>2</sup> and R<sup>4</sup> are hydrogen and R<sup>3</sup> is hydrogen or chloro.

6. The compound of Claim 5 where:

R⁵ is benzyl;

U-V is -N(R<sup>6</sup>)-CH<sub>2</sub>-CH<sub>2</sub>-; and

R<sup>6</sup> is p-methyl-benzoyl.

7. The compound of Claim 1, selected from:

3-benzyl-7-chloro-2-[1-(4-methyl-benzyl)-pyrrolidin-2-yl]-3H-quinazolin-4-one;

3-benzyl-7-chloro-2-[1-(4-methyl-benzoyl)-pyrrolidin-2-yl]-3H-quinazolin-4-one;

3-benzyl-7-chloro-2-[1-(4-methyl-benzoyl)-piperidin-2-yl]-3*H*-quinazolin-4-one;

3-benzyl-7-chloro-2-[1-(4-methyl-benzyl)-piperidin-3-yl]-3H-quinazolin-4-one;

3-benzyl-7-chloro-2-[1-(4-methyl-benzoyl)-piperidin-3-yl]-3H-quinazolin-4-one;

3-benzyl-7-chloro-2-[1-(4-methyl-benzyl)-piperidin-4-yl]-3H-quinazolin-4-one; and

3-benzyl-7-chloro-2-[1-(4-methyl-benzoyl)-piperidin-4-yl]-3*H*-quinazolin-4-one.

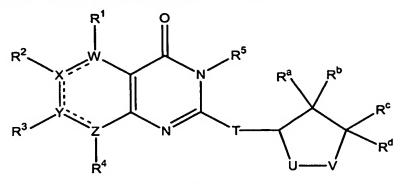
8. The compound of Claim 7 that is an (R)-enantiomer.



- 9. The compound of Claim 1, selected from:
- 3-benzyl-7-chloro-2-[1-(4-methyl-benzoyl)-pyrrolidin-2-yl]-3*H*-quinazolin-4-one;
- 3-benzyl-7-chloro-2-[1-(4-methyl-benzoyl)-piperidin-2-yl]-3H-quinazolin-4-one;
- 3-benzyl-7-chloro-2-[1-(4-methyl-benzoyl)-piperidin-3-yl]-3H-quinazolin-4-one; and
- 3-benzyl-7-chloro-2-[1-(4-methyl-benzoyl)-piperidin-4-yl]-3H-quinazolin-4-one.
- 10. The compound of Claim 9 that is an (R)-enantiomer.
- 11. The compound of Claim 1, selected from:
- 3-benzyl-7-chloro-2-[1-(4-methyl-benzoyl)-piperidin-2-yl]-3*H*-quinazolin-4-one; and 3-benzyl-7-chloro-2-[1-(4-methyl-benzoyl)-piperidin-3-yl]-3*H*-quinazolin-4-one,
- especially the (R)- enantiomers thereof.
- 12. The compound of Claim 11 that is an (R)-enantiomer.
- 13. A pharmaceutical formulation comprising a pharmaceutically acceptable excipient and an effective amount of a compound of any of Claims 1-12.
- 14. A method of treatment comprising administering an effective amount of a compound of any of Claims 1-12 to a patient suffering from a cellular proliferative disease.
- 15. The method of Claim 14 wherein the cellular proliferative disease is cancer, hyperplasia, restenosis, cardiac hypertrophy, an immune disorder or inflammation.
- 16. A method of treatment for a cellular proliferative disease comprising administering to a patient suffering therefrom a compound of Claim 1 in an amount sufficient to modulate KSP kinesin activity in cells affected with the disease.
- 17. A kit comprising a compound of any of Claims 1-12 and a package insert or other labeling including directions for treating a cellular proliferative disease by administering an effective amount of said compound.



## 18. A compound of the group represented by Formula II:



Formula II

where:

the dashed line indicates that the corresponding bond may be a single bond or a double bond;

T is a covalent bond or optionally substituted lower alkylene;

U-V is chosen from -N(R<sup>6</sup>)–CR<sup>6</sup>R<sup>f</sup>-, -CR<sup>6</sup>R<sup>f</sup>-N(R<sup>6</sup>)-, -N(R<sup>6</sup>)–CR<sup>6</sup>R<sup>f</sup>-CR<sup>9</sup>R<sup>h</sup>-, -CR<sup>6</sup>R<sup>f</sup>-N(R<sup>6</sup>)-CR<sup>9</sup>R<sup>h</sup>-, and -CR<sup>6</sup>R<sup>f</sup>-CR<sup>9</sup>R<sup>h</sup>-N(R<sup>6</sup>)-;

W, X and Y are independently -N=, N, -C=, CH, CR<sup>i</sup>, O or S;

Z is -N=, N, -C=, CH, CR<sup>i</sup> or is absent, provided that:
no more than two of W, X, Y and Z are -N=, and
W, X or Y can be O or S only when Z is absent;

Ri is alkyl, alkoxy, halogen, cyano or substituted alkyl;

R<sup>a</sup>, R<sup>b</sup>, R<sup>c</sup>, R<sup>d</sup>, R<sup>e</sup>, R<sup>f</sup>, R<sup>g</sup> and R<sup>h</sup> are independently chosen from hydrogen, alkyl, aryl, aralkyl, heteroaryl, substituted alkyl, substituted aryl, substituted aralkyl and substituted heteroaryl;

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, and R<sup>4</sup> are independently chosen from hydrogen, alkyl, alkoxy, halogen, cyano and substituted alkyl;

R<sup>5</sup> is alkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, substituted alkyl, substituted aryl, substituted aralkyl, substituted heteroaryl or substituted heteroaralkyl; and

R<sup>6</sup> is chosen from hydrogen, acyl, alkyl, aryl, aralkyl, heteroaryl, substituted acyl, substituted alkyl, substituted aryl, substituted aralkyl and substituted heteroaryl;

provided that R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> or R<sup>4</sup> is absent where W, X, Y or Z, respectively, is -N=, O, S or absent;

or a pharmaceutically acceptable salt or solvate thereof.

19. The compound of Claim 18 comprising one or more of the following:

T is a covalent bond, C<sub>1</sub> to C<sub>4</sub> alkylene or C<sub>1</sub> to C<sub>4</sub> alkylene substituted with halo or oxo;





W, X, Y and Z are independently -C= or -N=;

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are independently hydrogen, chloro, fluoro, methyl, methoxy, cyano or substituted lower alkyl;

R<sup>5</sup> is aralkyl or substituted aralkyl;

Ra to Rh are independently hydrogen, lower alkyl or substituted lower alkyl;

U-V is -N(R6)-CReRf-CRgRh-, -CReRf-N(R6)-CRgRh- or -CReRf-CRgRh-N(R6)-;

R<sup>6</sup> is optionally substituted aralkyl or optionally substituted acyl; and is an (R)-enantiomer.

20. The compound of Claim 19 comprising one or more of the following:

T is a covalent bond or C<sub>1</sub> to C<sub>4</sub> alkylene;

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are independently hydrogen, chloro, fluoro, methyl, methoxy or cyano;

R<sup>5</sup> is benzyl or substituted benzyl;

no more than one of Ra to Rh is other than hydrogen;

U-V is -N(R6)-CR6Rf-CR9Rh- or -CR6Rf-N(R6)-CR9Rh-; and

R<sup>6</sup> is optionally substituted acyl.

21. The compound of Claim 20 comprising one or more of the following:

T is a covalent bond;

R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are hydrogen, or three of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are hydrogen and the fourth is halo, methoxy, methyl or cyano;

R<sup>5</sup> is benzyl;

R<sup>a</sup> to R<sup>h</sup> are hydrogen;

U-V is -N(R<sup>6</sup>)-CR<sup>e</sup>R<sup>f</sup>-CR<sup>g</sup>R<sup>h</sup>-; and

R<sup>6</sup> is p-methyl-benzoyl.

22. The compound of Claim 21 where:

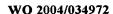
T is a covalent bond;

R<sup>1</sup>, R<sup>2</sup> and R<sup>4</sup> are hydrogen and R<sup>3</sup> is hydrogen or chloro;

R<sup>5</sup> is benzyl;

U-V is -N(R<sup>6</sup>)-CH<sub>2</sub>-CH<sub>2</sub>-; and

R<sup>6</sup> is p-methyl-benzoyl.





- 23. A pharmaceutical formulation comprising a pharmaceutically acceptable excipient and an effective amount of a compound of any of Claims 18-22.
- 24. A method of treatment comprising administering an effective amount of a compound of any of Claims18-22 to a patient suffering from a cellular proliferative disease.
- 25. The method of Claim 24 wherein the cellular proliferative disease is cancer, hyperplasia, restenosis, cardiac hypertrophy, an immune disorder or inflammation.
- 26. A method of treatment for a cellular proliferative disease comprising administering to a patient suffering therefrom a compound of Claim 18 in an amount sufficient to modulate KSP kinesin activity in cells affected with the disease.
- 27. A kit comprising a compound of any of Claims 18-22 and a package insert or other labeling including directions for treating a cellular proliferative disease by administering an effective amount of said compound.